

IN THE SPECIFICATION:

Please amend the specification as follows:

On Page 1, lines 5-9, please replace the first paragraph and substitute the following amended paragraph:

The present invention This application is a national stage filing of International Application No. PCT/US2004/039380, filed on November 22, 2004, which claims priority from U.S. Provisional Application Serial No. 60/523,648, filed November 20, 2003, entitled "Method, System, and Computer Program for Enhanced Resolution, Automatically-Calibrated Magnetic Position Sensor," the entire disclosures of which is are hereby incorporated by reference herein in its their entirety.